

**WHAT IS CLAIMED IS:**

1. A method of increasing lean body mass and reducing fat body mass in infants, said method comprising feeding the infant a nutritional formula comprising a source of DHA and ARA.
2. The method of Claim 1 wherein the feeding provides the infant with an average daily intake per kg body weight of from about 2 to about 65 mg DHA and from about 2 to about 65 mg ARA.
3. The method of Claim 1 wherein the feeding provides the infant with an average daily intake per kg body weight of from about 3 to about 35 mg DHA and from about 5 to about 50 mg ARA.
4. The method of Claim 1 wherein the feeding provides the infant with an average daily intake per kg body weight of from about 7 to about 26 mg DHA and from about 20 to about 40 mg ARA.
5. The method of Claim 1 wherein the daily feeding is applied to infants that are less than about 1 year corrected age.
6. The method of Claim 1, wherein the nutritional formula further comprise protein, lipid and carbohydrate.
7. The method of Claim 2, wherein the nutritional formula provides a caloric density of from about 19 kcal/fl oz to about 24 kcal/fl oz.
8. The method of Claim 2, wherein the nutritional formula comprises per each 100 kcal of said formula:
  - (A) from about 3 grams to about 8 grams of lipid;
  - (B) from about 1 gram to about 3.5 grams of protein, and
  - (C) from about 8 grams to about 16 grams of carbohydrate.

9. The method of Claim 2, wherein the nutritional formula comprises per each 100 kcal of said formula:

- (A) from about 4 grams to about 6.6 grams of lipid;
- (B) from about 1.5 gram to about 3.4 grams of protein, and
- (C) from about 9 grams to about 13 grams of carbohydrate.

10. The method of Claim 1 wherein the infant is a preterm infant.

11. The method of Claim 1 wherein the infant is a term infant.

12. The method of Claim 1 wherein the nutritional formula comprises up to about 2.0% ARA and up to about 1.0 % DHA, each by weight of the total fatty acids in the formula.

13. The method of Claim 12 wherein the ARA concentration ranges from about 0.2% to about 0.35% to about 0.5%, by weight of the total fatty acids in the formula.

14. The method of Claim 12 wherein the DHA concentration ranges from about 0.1% to about 0.36%, by weight of the total fatty acids in the formula.